

ENVIRONMENTAL RESOLUTIONS, INC.

March 20, 2006
ERI 261913.L46

Mr. John Mahoney
Redwood Oil Company
50 Professional Center Drive, Suite 100
Rohnert Park, California 94928

SUBJECT Laboratory Analysis Results of Groundwater Samples Collected from the Private Water Well Treatment System Located at 2050 Marlow Road, Santa Rosa, California.

Mr. Mahoney:

At the request of Redwood Oil Company (Redwood), Environmental Resolutions, Inc. (ERI) is providing the analytical laboratory results of the groundwater samples collected from the private water well and water well treatment system located at 2050 Marlow Road, in Santa Rosa, California. The well head treatment system consists of two 110-pound granulated activated carbon vessels connected in series; an ultraviolet light source; system totalizer; and influent, intermediate, and effluent sampling ports.

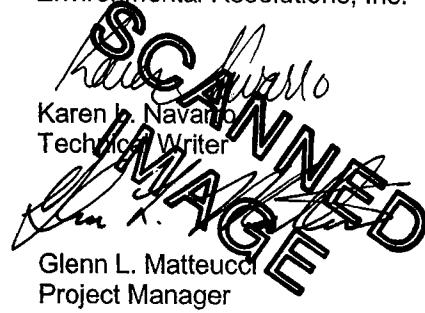
On February 27, 2006, ERI collected influent, intermediate, and effluent water samples from the groundwater treatment system. ERI submitted the influent water samples to a California state-certified laboratory, under Chain-of-Custody protocol, for analysis for total petroleum hydrocarbons as diesel; total petroleum hydrocarbons as gasoline; benzene, toluene, ethylbenzene, and total xylenes; methyl tertiary butyl ether (MTBE), tertiary butyl alcohol, di-isopropyl ether, ethyl tertiary butyl ether, 1,2-dichloroethane, 1,2-dibromoethane, and tertiary amyl methyl ether using the laboratory methods listed on the Laboratory Analysis Report (attached).

Based on the laboratory analytical results of the influent water sample which indicated that MTBE was detected above the laboratory reporting limit, intermediate and effluent water samples were analyzed for MTBE using the laboratory method listed on the Laboratory Analysis Report (attached). Results of laboratory analysis of the water samples are summarized on the attached table.

Please contact Mr. Glenn L. Matteucci, ERI's project manager for this site, at (707) 766-2000 with any questions.

Sincerely,
Environmental Resolutions, Inc.


Karen L. Navarro
Technical Writer



Glenn L. Matteucci
Project Manager

Attachment: Cumulative Monitoring and Sampling Data for Private Water Well and Well Head Treatment System
Laboratory Analysis Report and Chain-of-Custody Record

cc: Mr. and Mrs. Callison
Ms. Joan Fleck, California Regional Water Quality Control Board, North Coast Region

TABLE 1
CUMULATIVE MONITORING AND SAMPLING DATA FOR PRIVATE WATER WELL
AND WELL HEAD TREATMENT SYSTEM

Well ID	Sample Date	Sample ID	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Methanol (mg/L)
DW2050	04/21/99	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	08/11/99	—	<50	<50	0.5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	10/28/99	—	<50	<50	0.5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	02/04/00	—	<50	<50	0.5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	05/01/00	—	<50	<50	2	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	07/25/00	—	<50	<50	2	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	10/26/00	—	<50	<50	0.5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	01/17/01	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	04/24/01	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	07/31/01	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	12/05/01	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	01/31/02	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	04/17/02	—	<50	<50	2	<1	<1	<1	<1	—	—	—	—	—	—	—	
DW2050	05/24/02	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	07/10/02	—	<50	<50	4	<1	<1	<1	<1	—	—	—	—	—	—	—	
DW2050	08/07/02	—	<50	<50	5	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	10/10/02	—	<50	<50	5.7	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	01/13/03	—	<50	<50	4.4	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	04/16/03	—	<50	<50	4	<1	<1	<1	<1	—	—	—	—	—	—	—	
DW2050	07/16/03	—	<50	<50	9	<1	<1	<1	<1	—	—	—	—	—	—	—	
DW2050	10/21/03	—	<50	<50	11	<1	<1	<1	<1	—	—	—	—	—	—	—	
DW2050	04/06/04	—	<50	<50	6.4	0.5	0.5	0.5	0.5	—	—	—	—	—	—	—	
DW2050	12/31/04	—	<50	<50	27	<0.5	<0.5	<0.5	<0.5	—	5	<10	<5	<5	<0.5	<100	
DW2050	01/31/05	—	—	—	22	—	—	—	—	22	<5	<10	<5	<5	<100	<0.5	
DW2050	02/25/05	—	—	—	19	—	—	—	—	—	<5	<10	<5	<5	—	<100	
DW2050	03/30/05	—	—	—	15	—	—	—	—	—	<5	<10	<5	<5	—	<100	
DW2050	04/22/05	—	—	—	20	—	—	—	—	—	<5	<10	<5	<5	—	<100	
DW2050	05/20/05	—	—	—	7.6	—	—	—	—	—	<5.0	<10.0	<5.0	<5.0	—	<100	
DW2050	06/17/05	—	—	—	16	—	—	—	—	—	<5.0	<10	<5.0	<5.0	<0.50	<100	
DW2050	07/22/05 a	—	—	—	<1.0	—	—	—	—	—	<5.0	<10	<5.0	<5.0	—	<100	
DW2050	08/05/05	—	—	—	20	—	—	—	—	—	<5.0	<10	<5.0	<5.0	—	<100	
DW2050	09/23/05	—	—	—	26	—	—	—	—	—	<5.0	<10	<5.0	<5.0	—	<100	
DW2050	October 2005 - Treatment system installed.																
DW2050	10/19/05	W-INF	—	—	20.0	—	—	—	—	—	<5.0	<10	<5.0	<5.0	<0.50	<100	
		W-INT	—	—	<1.0	—	—	—	—	—	<5.0	<10	<5.0	<5.0	<0.50	<100	
		W-EFF	—	—	<1.0	—	—	—	—	—	<5.0	<10	<5.0	<5.0	<0.50	<100	
DW2050	11/18/05	W-INF	<50	<50	20	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<50	
		W-INT	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<50	
		W-EFF	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<50	
DW2050	12/29/05	W-INF	<50	<25	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<5.0	—	—	
		W-INT	<50	<25	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<5.0	—	—	
		W-EFF	<50	<25	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<5.0	—	—	

TABLE 1
CUMULATIVE MONITORING AND SAMPLING DATA FOR PRIVATE WATER WELL
AND WELL HEAD TREATMENT SYSTEM
 Redwood Oil Facility 114
 1855 Guerneville Road
 Santa Rosa, California
 (Page 2 of 2)

Well ID	Sample Date	Sample ID	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	ETBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	Methanol (mg/L)
DW2050	01/27/06	W-INF	<50	<50	3.9	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<0.50	<0.50	<100	<0.50
		W-INT	<50	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<0.50	<0.50	<100	<0.50
		W-EFF	<50	<50	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<0.50	<0.50	<100	<0.50
DW2050	02/27/06	W-INF	<50	<50	3.5	<0.50	<0.50	<0.50	<0.50	<5.0	<10	<5.0	<5.0	<0.50	<0.50	<100	<0.50
		W-INT	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
		W-EFF	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Data collected prior to April, 2004 compiled from the ECM Group Systems Operations Report dated July 9, 2004.

TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015M.
 TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8260B. Prior to 10/19/05, analyzed using EPA Method 8015M.
 MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B. Prior to 12/31/04 analyzed using EPA Method 8021B.
 BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B. Prior to 10/19/05, analyzed using EPA Method 8021B.
 ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
 TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
 DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
 TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
 1,2-DCA = 1,2-Dichloroethane analyzed using EPA Method 8260B.
 EDB = 1,2-Dibromoethane analyzed using EPA Method 8260B.
 Ethanol = Ethanol analyzed using EPA Method 8260B.
 Methanol = Methanol analyzed using EPA Method 8015.
 µg/L = Micrograms per liter.
 -- = Not measured/Not sampled/Not analyzed.
 < = Analytes not detected at or above the laboratory reporting limit.
 a = Results not consistent with historical trend; samples for DW1815, DW2050, and DW2075 likely mislabeled in field.
 b = Methanol results updated on 10/10/05
 c = Methanol detection in intermediate port sample likely due to laboratory contamination.
 d = Hydrocarbons reported as TPH as diesel do not exhibit a typical diesel chromatographic pattern.

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

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Glenn Matteucci
Environmental Resolutions, Inc
455 Yolanda Ave
Santa Rosa, CA 95404

Lab Certificate Number: 48192
Issued: 03/14/2006

Project Number: 2619
Project Name: Redwood Oil #114
Project Location: 1855 Guerneville Rd./Santa Rosa

Global ID: T0609700601

Certificate of Analysis - Final Report

On March 02, 2006, samples were received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	Electronic Deliverables EPA 8260B for Groundwater and Water - EPA 624 for Wastewater Methanol by EPA 8015 TPH-Extractable w/SGCU Volatile-GC

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

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Environmental Resolutions, Inc
455 Yolanda Ave
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Attn: Glenn Matteucci

Project Number: 2619
Project Name: Redwood Oil #114
Project Location: 1855 Guerneville Rd./Santa Rosa
GlobalID: T0609700601

Certificate of Analysis - Data Report

Samples Received: 03/02/2006

Sample Collected by: Client

Lab # : 48192-001	Sample ID: 2050INF	Matrix: Liquid	Sample Date: 2/27/2006	11:55 AM
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Methanol by EPA 8015

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND			1.0	0.50	mg/L	N/A	N/A	3/3/2006
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: mruan
1-Butanol	98.1			65 - 135					Reviewed by: dba

Volatile-GC

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND			1.0	50	µg/L	N/A	N/A	3/4/2006
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: mruan
4-Bromofluorobenzene	85.9			65 - 135					Reviewed by: dba

TPH-Extractable w/SGCU

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND			1.0	50	µg/L	3/3/2006	WD060303A	3/6/2006
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: JHsiang
o-Terphenyl	70.8			16 - 137					Reviewed by: dba

Volatile-GC

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND			1.0	0.50	µg/L	N/A	N/A	3/4/2006
Toluene	ND			1.0	0.50	µg/L	N/A	N/A	WGCA060303A
Ethyl Benzene	ND			1.0	0.50	µg/L	N/A	N/A	WGCA060303A
Xylenes, Total	ND			1.0	0.50	µg/L	N/A	N/A	WGCA060303A
Surrogate	Surrogate Recovery			Control Limits (%)					Analyzed by: mruan
4-Bromofluorobenzene	99.9			65 - 135					Reviewed by: dba

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

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Environmental Resolutions, Inc
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Attn: Glenn Matteucci

Project Number: 2619
Project Name: Redwood Oil #114
Project Location: 1855 Guerneville Rd./Santa Rosa
GlobalID: T0609700601

Certificate of Analysis - Data Report

Samples Received: 03/02/2006

Sample Collected by: Client

Lab #: 48192-001 Sample ID: 2050INF Matrix: Liquid Sample Date: 2/27/2006 11:55 AM

EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	3/6/2006	WM2060306
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	3/6/2006	WM2060306
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	3/6/2006	WM2060306
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	3/6/2006	WM2060306
Methyl-t-butyl Ether	3.5		1.0	1.0	µg/L	N/A	N/A	3/6/2006	WM2060306
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/6/2006	WM2060306
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	3/6/2006	WM2060306
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/6/2006	WM2060306
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/6/2006	WM2060306
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	3/6/2006	WM2060306
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	3/6/2006	WM2060306
Ethanol	ND		1.0	100	µg/L	N/A	N/A	3/6/2006	WM2060306

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.2	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	94.5	60 - 130

Analyzed by: TAF

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

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Entech Analytical Labs, Inc.

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Environmental Resolutions, Inc
455 Yolanda Ave
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Attn: Glenn Matteucci

Project Number: 2619
Project Name: Redwood Oil #114
Project Location: 1855 Guerneville Rd./Santa Rosa
GlobalID: T0609700601

Certificate of Analysis - Data Report

Samples Received: 03/02/2006
Sample Collected by: Client

Lab #: 48192-002 Sample ID: 2050INT Matrix: Liquid Sample Date: 2/27/2006 12:05 PM

EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND			1.0	1.0	µg/L	N/A	N/A	3/12/2006 WM2060311
Surrogate Surrogate Recovery Control Limits (%)									
Analyzed by: TFulton									
Reviewed by: XBian									
4-Bromofluorobenzene	90.2			60 - 130					
Dibromofluoromethane	104			60 - 130					
Toluene-d8	94.1			60 - 130					

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

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Attn: Glenn Matteucci

Project Number: 2619
Project Name: Redwood Oil #114
Project Location: 1855 Guerneville Rd./Santa Rosa
GlobalID: T0609700601

Certificate of Analysis - Data Report

Samples Received: 03/02/2006

Sample Collected by: Client

Lab #: 48192-003 Sample ID: 2050EFF Matrix: Liquid Sample Date: 2/27/2006 12:15 PM

EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	3/12/2006	WM2060311
Surrogate Surrogate Recovery Control Limits (%)									
4-Bromofluorobenzene	93.0		60	-	130				Analyzed by: TFulton
Dibromofluoromethane	104		60	-	130				Reviewed by: XBian
Toluene-d8	92.8		60	-	130				

Detection Limit = Detection Limit for Reporting.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Qual = Data Qualifier

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Entech Analytical Labs, Inc.

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Method Blank - Liquid - TPH-Extractable w/SGCU

QC/Prep Batch ID: WD060303A

Validated by: dba - 03/07/06

QC/Prep Date: 3/3/2006

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	72.0	16 - 137

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - Methanol by EPA 8015

QC Batch ID: WGC5060303

Validated by: dba - 03/07/06

QC Batch Analysis Date: 3/3/2006

Parameter	Result	DF	PQLR	Units
Methanol	ND	1	0.50	mg/L

Surrogate for Blank % Recovery Control Limits

1-Butanol	98.4	65	-	135
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Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - Volatile-GC

QC Batch ID: WGCA060303A

Validated by: dba - 03/07/06

QC Batch Analysis Date: 3/3/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	85.6	65 - 135		

Method Blank - Liquid - Volatile-GC

QC Batch ID: WGCA060303A

Validated by: dba - 03/07/06

QC Batch Analysis Date: 3/3/2006

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	96.9	65 - 135		

Entech Analytical Labs, Inc.

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Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060306

Validated by: MaiChiTu - 03/07/06

QC Batch Analysis Date: 3/6/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	96.4	60 - 130
Dibromofluoromethane	95.6	60 - 130
Toluene-d8	94.5	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060311

Validated by: XBian - 03/14/06

QC Batch Analysis Date: 3/11/2006

Parameter	Result	DF	PQLR	Units
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Surrogate for Blank % Recovery Control Limits				
4-Bromofluorobenzene	91.3	60 - 130		
Dibromofluoromethane	96.8	60 - 130		
Toluene-d8	96.7	60 - 130		

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LCS / LCSD - Liquid - TPH-Extractable w/SGCU

Prep/QC Batch ID: WD060303A /WD060303AS

Reviewed by: dba - 03/07/06

QC/Prep Date: 3/3/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	630	µg/L	63.0	35 - 109
TPH as Motor Oil	<200	1000	689	µg/L	68.9	30 - 132
Surrogate	% Recovery	Control Limits				
o-Terphenyl	77.9	16	-	137		

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	698	µg/L	69.8	10	25.0	35 - 109
TPH as Motor Oil	<200	1000	782	µg/L	78.2	13	25.0	30 - 132
Surrogate	% Recovery	Control Limits						
o-Terphenyl	87.2	16	-	137				

Entech Analytical Labs, Inc.

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LCS / LCSD - Liquid - Methanol by EPA 8015

QC Batch ID: WGC5060303

Reviewed by: dba - 03/07/06

QC Batch ID Analysis Date: 3/3/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methanol	<0.50	50	47.7	mg/L	95.4	65 - 135
Surrogate	% Recovery	Control Limits				
1-Butanol	96.7	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	<0.50	50	48.1	mg/L	96.2	0.84	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
1-Butanol	97.9	65 - 135						

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - Volatile-GC

QC Batch ID: WGCA060303A

Reviewed by: dba - 03/07/06

QC Batch ID Analysis Date: 3/3/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits	
TPH as Gasoline	<50	120	112	µg/L	89.6		65 - 135
Surrogate	% Recovery		Control Limits				
4-Bromofluorobenzene	94.3	65 - 135					

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	104	µg/L	83.2	7.4	25.0	65 - 135
Surrogate	% Recovery		Control Limits					
4-Bromofluorobenzene	101.0	65 - 135						

LCS / LCSD - Liquid - Volatile-GC

QC Batch ID: WGCA060303A

Reviewed by: dba - 03/07/06

QC Batch ID Analysis Date: 3/3/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits	
Benzene	<0.50	4.0	3.72	µg/L	93.0		65 - 135
Ethyl Benzene	<0.50	4.0	3.68	µg/L	92.0		65 - 135
Toluene	<0.50	4.0	3.81	µg/L	95.2		65 - 135
Xylenes, total	<0.50	12	11.6	µg/L	96.7		65 - 135
Surrogate	% Recovery		Control Limits				
4-Bromofluorobenzene	106.0	65 - 135					

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	4.0	3.53	µg/L	88.2	5.2	25.0	65 - 135
Ethyl Benzene	<0.50	4.0	3.48	µg/L	87.0	5.6	25.0	65 - 135
Toluene	<0.50	4.0	3.62	µg/L	90.5	5.1	25.0	65 - 135
Xylenes, total	<0.50	12	11.0	µg/L	91.7	5.3	25.0	65 - 135
Surrogate	% Recovery		Control Limits					
4-Bromofluorobenzene	107.0	65 - 135						

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LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060306

Reviewed by: MaiChiTu - 03/07/06

QC Batch ID Analysis Date: 3/6/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	22.2	µg/L	111	70 - 130
Benzene	<0.50	20	22.6	µg/L	113	70 - 130
Chlorobenzene	<0.50	20	22.4	µg/L	112	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.6	µg/L	103	70 - 130
Toluene	<0.50	20	21.6	µg/L	108	70 - 130
Trichloroethene	<0.50	20	23.7	µg/L	118	70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	96.4	60 - 130				
Dibromofluoromethane	96.4	60 - 130				
Toluene-d8	92.0	60 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	22.0	µg/L	110	0.91	25.0	70 - 130
Benzene	<0.50	20	21.9	µg/L	110	2.8	25.0	70 - 130
Chlorobenzene	<0.50	20	21.7	µg/L	108	3.4	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.7	µg/L	104	0.70	25.0	70 - 130
Toluene	<0.50	20	20.8	µg/L	104	4.1	25.0	70 - 130
Trichloroethene	<0.50	20	22.6	µg/L	113	4.5	25.0	70 - 130
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	98.0	60 - 130						
Dibromofluoromethane	97.0	60 - 130						
Toluene-d8	92.4	60 - 130						

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LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060311

Reviewed by: XBian - 03/14/06

QC Batch ID Analysis Date: 3/11/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.1	µg/L	90.7	70 - 130
Benzene	<0.50	20	19.7	µg/L	98.4	70 - 130
Chlorobenzene	<0.50	20	19.4	µg/L	96.9	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.1	µg/L	101	70 - 130
Toluene	<0.50	20	18.4	µg/L	92.2	70 - 130
Trichloroethene	<0.50	20	20.2	µg/L	101	70 - 130

Surrogate

	% Recovery	Control Limits
4-Bromofluorobenzene	96.2	60 - 130
Dibromofluoromethane	103.0	60 - 130
Toluene-d8	91.9	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.8	µg/L	98.8	8.5	25.0	70 - 130
Benzene	<0.50	20	20.8	µg/L	104	5.6	25.0	70 - 130
Chlorobenzene	<0.50	20	20.1	µg/L	100	3.7	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.5	µg/L	92.6	8.3	25.0	70 - 130
Toluene	<0.50	20	19.6	µg/L	97.9	5.9	25.0	70 - 130
Trichloroethene	<0.50	20	21.6	µg/L	108	6.7	25.0	70 - 130

Surrogate

	% Recovery	Control Limits
4-Bromofluorobenzene	93.8	60 - 130
Dibromofluoromethane	100.0	60 - 130
Toluene-d8	92.6	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200 Fax: (408) 588-0201

MS / MSD - Liquid - Methanol by EPA 8015

QC Batch ID: WGC5060303

Reviewed by: dba - 03/07/06

QC Batch ID Analysis Date: 3/3/2006

MS Sample Spiked: 48192-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Methanol	ND	50	45.8	mg/L	3/3/2006	91.5	65 - 135

Surrogate	% Recovery	Control Limits
1-Butanol	95.0	65 - 135

MSD Sample Spiked: 48192-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	ND	50	45.3	mg/L	3/3/2006	90.6	0.97	25.0	65 - 135

Surrogate	% Recovery	Control Limits
1-Butanol	94.9	65 - 135

Entech Analytical Labs, Inc.

**3334 Victor Court (408) 588-0200
Santa Clara, CA 95054 (408) 588-0201 - Fax**

Chain of Custody / Analysis Request

Relinquished by:

Received by:
Sarah Fridge

Date: 2/27/06 Time: 1440

Special Instructions or Comments

EDF e-mail to:

Metals:

Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn,
Ga, Ge, Hg, In, I, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Tl, Sn, Ti, Zn, V, W,

EDD Report

EDF Report

- Plating
 - LUFT-5
 - RCRA-8
 - PPM-13
 - CAM-17

June 2004